

L Number	Hits	Search Text	DB	Time stamp
50	8329	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:48
57	7971	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:48
64	2223	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:48
71	451	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:48
78	2565	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:48
85	6981	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:49
92	27873	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:49
99	4635	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.) and ((lid or cap or top) same (reactor or chamber or vessel or tank or station or hous\$3 or encase\$4 or container))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:53

106	3679	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and ((lid or cap or top) same (reactor or chamber or vessel or tank or station or hous\$3 or encase\$4 or container))) and (channels or conduits or pipes or paths)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:53
113	3774	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and ((lid or cap or top) same (reactor or chamber or vessel or tank or station or hous\$3 or encase\$4 or container))) and (channels or conduits or pipes or paths or manifold)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:54
120	1700	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and ((lid or cap or top) same (reactor or chamber or vessel or tank or station or hous\$3 or encase\$4 or container))) and ((channels or conduits or pipes or paths or manifold) with gas)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:54
127	744	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and ((lid or cap or top) same (reactor or chamber or vessel or tank or station or hous\$3 or encase\$4 or container))) and (((channels or conduits or pipes or paths or manifold) with gas) same valves)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/10 11:55

Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 09798258 **Filing Dt:** 03/02/2001

Patent #: NONE

Issue Dt:

PCT #: NONE

Publication #: 20020121241

Pub Dt: 09/05/2002

Inventors: Anh N. Nguyen, Michael X. Yang, Ming Xi, Hua Chung, Anzhong Chang, Xiaoxiong Yuan, Siqing Lu

Title: Processing chamber and method of distributing process fluids therein to facilitate sequential deposition of films

Assignment: 1

Reel/Frame: 011873/0058 **Received:** 06/12/2001

Recorded:
06/06/2001

Mailed:
08/18/2001

Pages: 15

Conveyance: ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: NGUYEN, ANH N.

Exec Dt: 05/08/2001

YANG, MICHAEL

Exec Dt: 05/07/2001

XI, MING

Exec Dt: 05/09/2001

CHUNG, HUE

Exec Dt: 05/07/2001

CHANG, ANZHONG

Exec Dt: 05/08/2001

YUAN, XIAOXIONG

Exec Dt: 05/09/2001

LU, SIQING

Exec Dt: 05/07/2001

Assignee: APPLIED MATERIALS, INC. ✓

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Search Results as of: 6/10/2003 3:12:05 P.M.

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Web interface last modified: Oct. 5, 2002

09/799,288 } 09/798,251 } { 10/016,300 CDP. 1-51	09/798,258 12-19 ✕	09/798,251 1-22
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Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 09798251 **Filing Dt:** 03/02/2001

Patent #: NONE

Issue Dt:

PCT #: NONE

Publication #: 20020121342

Pub Dt: 09/05/2002

Inventors: Anh N. Nguyen, Michael X. Yang, Ming Xi, Hua Chung, Anzhong Chang, Xiaoxiong Yuan, Siqing Lu

Title: Lid assembly for a processing system to facilitate sequential deposition techniques

Assignment: 1

Reel/Frame: 011870/0574 **Received:** 06/12/2001

Recorded:
06/06/2001

Mailed:
08/17/2001

Pages: 15

Conveyance: ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: NGUYEN, ANH N.

Exec Dt: 05/18/2001

YANG, MICHAEL

Exec Dt: 05/07/2001

XI, MING

Exec Dt: 05/09/2001

CHUNG, HUA

Exec Dt: 05/07/2001

CHANG, ANZHONG

Exec Dt: 05/08/2001

YUAN, XIAOXIONG

Exec Dt: 05/09/2001

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Exec Dt: 05/07/2001

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Web interface last modified: Oct. 5, 2002

Patent Assignment Abstract of Title

Total Assignments: 2**Application #:** 09678266**Filing Dt:** 10/03/2000**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** NONE**Pub Dt:****Inventors:** Ming Xi, Ashok Sinha, Moris Kori, Alfred W. Mak, Xinliang Lu, Ken Kuang Lai, Karl A. Littau**Title:** METHOD AND APPARATUS FOR DEPOSITING REFRACTORY METAL LAYERS EMPLOYING SEQUENTIAL DEPOSITION TECHNIQUES TO FORM A NUCLEATION LAYER**Assignment: 1****Reel/Frame:** 011573/0666 **Received:** 03/14/2001**Recorded:** 02/09/2001**Mailed:** 05/16/2001**Pages:** 15**Conveyance:** ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** XI, MING**Exec Dt:** 01/09/2001SINHA, ASHOK**Exec Dt:** 01/08/2001KORI, MORIS**Exec Dt:** 01/18/2001MAK, ALFRED W.**Exec Dt:** 01/09/2001BYUN, JEONG SOO**Exec Dt:** 01/08/2001LEI, LAWRENCE CHUNG-LAI**Exec Dt:** 01/09/2001CHUNG, HUA**Exec Dt:** 01/08/2001**Assignee:** APPLIED MATERIALS, INC.

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Assignment: 2**Reel/Frame:** 012282/0762 **Received:** 10/30/2001**Recorded:** 10/19/2001**Mailed:** 01/08/2002**Pages:** 7**Conveyance:** ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** LU, XINLIANG**Exec Dt:** 08/10/2001LAI, KEN KAUNG**Exec Dt:** 08/13/2001LITTAU, KARL A.**Exec Dt:** 08/10/2001**Assignee:** APPLIED MATERIALS, INC.

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